

## ABSTRACT OF THE DISCLOSURE

A display processor, connected to receive left and right total audio signals, Lt and Rt, respectively, produces display control signals for a graphic image display which displays a two dimensional image within an X and Y coordinate system.

According to the invention, the relative in-phase components of the signals Lt and Rt are represented as positive Y coordinate points in the image, whereas the relative out-of-phase components of the signals Lt and Rt are represented as negative Y coordinate points in the image. Furthermore, the respective amplitudes of the signals Lt and Rt are represented as negative X and positive X coordinate points, respectively, in the image.